

MeeFog Pump Unit: Model Mee-3

Brass Pumps



What it does:

The Model Mee-3 is an economical, full-featured, industrial-quality, high-pressure fog pump unit. A variable frequency drive reduces pump wear and noise level, and allows operation of zones with few nozzles, without overheating the pump.

Features:

- Direct drive pumps with high-efficiency motors.
- VFD with panel-mounted controller maintains pressure when zone valves open and close. Pressure transducer includes digital display.
- Anodized aluminum frame ensures long, corrosion free service.
- UL certified (508A enclosed industrial control panels).
- Low Inlet-pressure and high discharge pressure protection.
- Highly customizable, with wide range of addable features.^[4]

Model Mee-3 Fog Pump Units

Brass Pumps, 1000 psi, Direct Drive with VFD

Model Mee-3	Design Flow ^[1] (gpm)	Design Flow (lbs. / hr)	Max. Flow ^[2] (gpm)	Min. Flow ^[3] (gpm)	Dimensions (W" x H" x D")	Weight (lbs.)
-BRC100	0.8	400	1.0	0.02	24 x 51 x 17	180
-BRG210	1.4	700	2.1	0.04	30 x 57 x 24	200
-BRG400	2.7	1,350	4.0	0.08	36 x 65 x 24	265
-BRC600	4.0	2,000	6.0	0.12		350
-BRG1200	8.0	4,000	12.0	0.24		455

For UL508A rating, ambient air temperature cannot exceed 85°F.

[1] The recommended design flow for normal operation and extended pump life.

[2] Maximum flow can be used for intermittent operation, but to extend pump life, it is not recommended for continuous use.

[3] Minimum flow which must be output through fog nozzles to prevent overheating the pump. Otherwise additional cooling methods should be added.

[4] Some addable features may change the design and footprint of the equipment.

Model Mee-3 Options

Can be added to the Mee-3 for additional functionality

PLC	Programmable Logic Controller - Allows for additional programming and logic when added to the Mee-3.
Heat Exchangers	Fin Tube Heat exchangers helps maintain cool water temperature in the pump when min flow is not reached.
N+1 Redundancy	Adds a redundant motor/pump/VFD along with PLC to manage automatic pump switchover and duty cycle splits.
BacNet Communication	Adds module to a PLC for BacNet communication.
Motor Shaft Grounding Ring	Adds extra protection of the motor bearings.
Panel Mounted Electrical Disconnect	Panel mounted electrical switch to shut off power to the panel.
Thermal Sensor and Dump	Adds a pump water dump feature when pump temperatures reach a high limit threshold.
Humidity Controller	Panel mounted humidity controller allows for manual RH setpoint for a remote humidity sensor. Pump will cycle on/off to maintain setpoint.
Pressure Relief Valve	For applications where the nozzles are in the treated space, relief valve opens when the zone is closed and removes pressure in the lines without draining them. Helps to prevent nozzle dripping.

Technical Specs

	-BRC100	-BRG210	-BRG400	-BRC600	-BRG1200
Motor HP	1	2	5	5	10
Voltage	208/230/460	208/230/460	208/230/460	208/230/460	460
Phase	3-phase/230V 1-phase	3-phase/230v 1-Phase	3-phase	3-phase	3-phase
FLA	4.3/3.9/2.2 or 9.3 (1-ph)	6.8/6.1/3.3 or 13.7 (1-ph)	15/13.5/7	15/13.5/7	13.2
MCA (FOR 460V 3-phase)	3.3	4.9	10.1	10.1	18.1
MOCP (FOR 460V 3-phase)	15	15	15	15	30
Estimated dBA at Design Flow	74	75	76	76	77
Customer Connections (Inlet / Outlet)	3/8" NPT	1/2" NPT	1" NPT	1" NPT	1" NPT
Required Inlet Water Pressure (psi)	30-60	30-60	30-60	30-60	30-60
Max Inlet Water temperature	85°F	85°F	85°F	85°F	85°F
Operating Pressure (psi)	1,000	1,000	1,000	1,000	1,000